CONTENTS OF VOLUME 15

Number 1

PART I — SPECIAL ISSUE

Paramagnetic Metal Complexes as MRI Contrast Agents

Gerald L. Wolf	1	NMR contrast agents for proton imaging
M. Sovak	3	Radiographic contrast media, function and future reassessed
J. F. Desreux and **P. P. Barthélemy**	9	Highly stable lanthanide macrocyclic complexes: in search of new contrast agents for NMR imaging
Harry G. Brittain	17	Hydration states of lanthanide complexes
Robert G. Bryant	21	Nuclear magnetic relaxation dispersion
Seymour H. Koenig, Marga Spiller, Rodney D. Brown III and **Gerald L. Wolf**	23	Investigation of the biochemical state of paramagnetic ions *in vivo* using the magnetic field dependence of $1/T_1$ of tissue protons (NMRD profile): applications to contrast agents for magnetic resonance imaging
M. F. Tweedle, G. T. Gaughan, J. Hagan, P. W. Wedeking, P. Sibley, Lon J. Wilson and **Daniel W. Lee**	31	Considerations involving paramagnetic coordination compounds as useful NMR contrast agents
Val M. Runge	37	Gd–DPTA: an i.v. contrast agent for clinical MRI
R. B. Lauffer, D. R. Betteridge, S. Padmanabhan and **T. J. Brady**	45	Albumin binding of paramagnetic hepatobiliary contrast agents: enhancement of outer sphere relaxivity
R. B. Lauffer, W. L. Greif, D. D. Stark, A. C. Vincent, S. Saini, V. J. Wedeen and **T. J. Brady**	47	Iron–EHPG as an hepatobiliary MR contrast agent: initial imaging and biodistribution studies

PART II — GENERAL ISSUE SECTION

William C. Eckelman	51	Editorial
Review **Stephanie J. Brandes** and **John A. Katzenellenbogen**	53	Fundamental considerations in the design of fluorine-18 labeled progestins and androgens as imaging agents for receptor-positive tumors of the breast and prostate
Carla J. Mathias, Yizhen Sun, Michael J. Welch, Mark A. Green, Janice A. Thomas, Katrina R. Wade and **Arthur E. Martell**	69	Targeting radiopharmaceuticals: comparative biodistribution studies of gallium and indium complexes of multidentate ligands
M. J. Welch, J. A. Katzenellenbogen, C. J. Mathias, J. W. Brodack, K. E. Carlson, D. Y. Chi, C. S. Dence, M. R. Kilbourn, J. S. Perlmutter, M. E. Raichle and **M. M. Ter-Pogossian**	83	*N*-(3-[^{18}F]fluoropropyl)-spiperone: the preferred ^{18}F labeled spiperone analog for positron emission tomographic studies of the dopamine receptor
B. Bubeck, W. Brandau, F. Reinbold, K. Dreikorn, M. Steinbächer, M. Eisenhut and **P. Georgi**	99	Technetium-99m labeled renal function and imaging agents: I. Clinical evaluation of ^{99m}Tc CO_2–DADS-A (^{99m}Tc *N,N'*-bis-(mercaptoacetyl)-2,3-diaminopropanoate)
B. Bubeck, W. Brandau, M. Steinbächer, F. Reinbold, K. Dreikorn, M. Eisenhut and **P. Georgi**	109	Technetium-99m labeled renal function and imaging agents: II. Clinical evaluation of ^{99m}Tc MAG_3 (^{99m}Tc mercaptoacetylglycylglycylglycine)
New Patents	i	New patents and published patent applications for the United States and over 30 other countries

Number 2

Kiichi Ishiwata, Yoshinao Abe, Taiju Matsuzawa and Tatsuo Ido — 119 Tumor uptake studies of D,L-[5-^{14}C]ornithine and D,L-2-difluoromethyl[5-^{14}C]ornithine

Kiichi Ishiwata, Tatsuo Ido, Yoshinao Abe, Taiju Matsuzawa and Ren Iwata — 123 Tumor uptake studies of S-adenosyl-L-[methyl-^{11}C]methionine and L-[methyl-^{11}C]methionine

Hiroaki Hoshi, Seishi Jinnouchi, Katsushi Watanabe, Takashi Ueda, Kazuo Kinoshita, Tadatoshi Yamaguchi and Yoshihiro Tahara — 127 Biodistribution of *N*-isopropyl-*p*-iodoamphetamine in mice

Atsushi Ando, Itsuko Ando, Tatsunosuke Hiraki and Kinichi Hisada — 133 Distribution of ^{103}Ru–chloride in tumor-bearing animals and the mechanism for accumulation in tumor and liver

S. M. Moerlein, K. B. Dalal, S. N. Ebbe, Y. Yano and T. F. Budinger — 141 Residualizing and non-residualizing analogues of low-density lipoprotein as iodine-123 radiopharmaceuticals for imaging LDL catabolism

M. R. Zalutsky, M. A. Noska, P. W. Gallagher, S. Shortkroff and C. B. Sledge — 151 Use of liposomes as carriers for radiation synovectomy

O. F. Nicolay, J. D. Heeley, M. K. Jeffcoat and A. G. Jones — 157 Autoradiographic localization of technetium-99 methylene diphosphonate in growth sites of young mice

M. K. Dewanjee, M. L. Brown, S. Chowdhury, G. Thomforde and J. Malagelada — 165 The search for an ^{111}In labeled agent for the solid component of gastric emptying

Lucas B. Beentjes, Wil C. Buijs, Frans H. Corstens and John H. Duijsings — 171 Radioactive contamination of Kiev vacationers after the Chernobyl accident. Biological half-life of Cs

William C. Cole, Adrian D. Leblanc and Satish G. Jhingran — 177 New ^{111}In labeling of IgG: ^{111}In–oxine mediated chelation

Frank P. Castronovo Jr and H. William Strauss — 181 Dual tracer resorption and apposition in a rat fracture model

H. F. Kung, J. J. Billings, Y.-Z. Guo, M. Blau and R. Ackerhalt — 187 Preparation and biodistribution of [^{125}I]IBZP: a potential CNS D-1 dopamine receptor imaging agent

H. F. Kung, Y.-Z. Guo, J. Billings, X. Xu, R. H. Mach, M. Blau and R. E. Ackerhalt — 195 Preparation and biodistribution of [^{125}I]IBZM: a potential CNS D-2 dopamine receptor imaging agent

H. F. Kung, J. J. Billings, Y.-Z. Guo and R. H. Mach — 203 Comparison of *in vivo* D-2 dopamine receptor binding of IBZM and NMSP in rat brain

J. Kroesbergen, A. M. P. Roozen, W. J. Gelsema and C. L. de Ligny — 209 ^{99m}Tc bone scanning agents—IV. Chemical characterization of ^{99m}Tc(Sn)–pyrophosphate complexes

E. Chiotellis, A. D. Varvarigou, Th. Maina and C. I. Stassinopoulou — 215 Comparative evaluation of ^{99m}Tc-labeled aminothiols as possible brain perfusion imaging agents

Technical Note
Marko Tarle — 225 A new PTP parameter as potential predictor of prostate cancer response to therapy

Letter to the Editors
W. K. Sidney Yu, Janeth M. Bartlett, David C. van Sickle and Bruce H. Mock — 229 Biodistribution of bis[β-(*N*,*N*,*N*-trimethylamino)ethyl]selenide-^{75}Se diiodide, a potential articular cartilage imaging agent

New Patents — i New patents and published patent applications for the United States and over 30 other countries

Number 3

Editorial
Steven M. Larson and Jorge A. Carrasquillo — 231 Advantages of radioiodine over radioindium labeled monoclonal antibodies for imaging solid tumors

Daniel F. Hayes, Michael A. Noska, Donald W. Kufe and Michael R. Zalutsky — 235 Effect of radioiodination on the binding of monoclonal antibody DF3 to breast carcinoma cells

Richard L. Wahl, Monica Liebert, Barry S. Wilson and **Neil A. Petry** 243 Radiolabeled antibodies, albumin and antimony sulfide colloid: a comparison as lymphoscintigraphic agents

Ronald J. Rosenberg, John J. Sziklas and **Richard P. Spencer** 251 Nuclear medicine studies of aging—I. Procedure utilization in the oldest old

Richard P. Spencer and **Patricia A. Barton** 255 Nuclear medicine studies of aging—II. Femoral vessel uptake of ^{99m}Tc-diphosphonates vs age

Paul O. Zamora, Keshab D. Pant, Vallabh O. Shah, Katherine S. Sass, Keith D. Newell, He-Sheng Shao, Zvi H. Oster and **Prantika Som** 261 Anti-colon/ovarian tumor antigen: localization of colon cancer xenografts in athymic rats

Kiichi Ishiwata, Tatsuo Ido, Yoshio Imahori, Keiichiro Yamaguchi, Hiroshi Fukuda, Masao Tada and **Taiju Matsuzawa** 271 Accumulation of 2-deoxy-2-[^{18}F]fluoro-D-galactose in the liver by phosphate and uridylate trapping

G. A. Robinson 277 Distribution of nanomole quantities of ^{235}U in young and adult Japanese quail and in the F_1 generation. Comparison with ^{153}Gd

Berma M. Kinsey, Roger M. Macklis, James M. Ferrara, Warren W. Layne, Steven J. Burakoff and **Amin I. Kassis** 285 Efficient conjugation of DTPA to an IgM monoclonal antibody in ascites fluid

Philip Anderson, Andrew T. M. Vaughan and **Nicholas R. Varley** 293 Antibodies labeled with ^{199}Au: potential of ^{199}Au for radioimmunotherapy

William G. Cance, Fyllis L. Otsuka, William G. Dilley, Randy W. Scott, Joseph M. Davie, Michael J. Welch and **Samuel A. Wells Jr** 299 A potential new radiopharmaceutical for parathyroid imaging: radiolabeled parathyroid-specific monoclonal antibody—I. Evaluation of ^{125}I-labeled antibody in a nude mouse model system

Fyllis L. Otsuka, William G. Cance, William G. Dilley, Randy W. Scott, Joseph M. Davie, Samuel A. Wells Jr and **Michael J. Welch** 305 A potential new radiopharmaceutical for parathyroid imaging: radiolabeled parathyroid-specific monoclonal antibody—II. Comparison of ^{125}I- and ^{111}In-labeled antibodies

R. Chisin, A. Markitziu, S. Hoffer, J. Shani and **H. Atlan** 313 The clinical value of quantitative dynamic scintigraphy in salivary gland disorders

D. J. Maddalena, G. M. Snowdon and **J. G. Wilson** 319 Structure–distribution studies on some ^{99m}Tc-*o*-hydroxybenzyliminodiacetic acid complexes

M. V. Merrick, J. E. T. Corrie, A. M. Millar and **R. A. Hawkins** 327 A reevaluation of an agent proposed for imaging oestrogen receptors: 17α-[^{125}I]iodovinyl-11β-methoxyoestradiol-3-methyl ether ([^{125}I]VMEME)

Anna-Liisa Kairento, Elijahu Livni, Sakari Mattila, Ari Harjula, Leena Porkka, Lena Lindroth and **David R. Elmaleh** 333 Comparative evaluation of [^{123}I]14-*p*-iodophenyl-beta-methyltetradecanoic acid and thallium-201 in the detection of infarcted areas in the dog heart using SPECT

Technical Note
Wim Th. Goedemans and **Max R. Hardeman** 339 Clumping of labeled leukocyte suspension. A simple measure for avoiding it

New Patents i New patents and published patent applications for the United States and over 30 other countries

Number 4

William C. Eckelman 343 Editorial

Review
Siya Ram and **Richard Lee Ehrenkaufer** 345 Synthesis of ^{11}C-radiopharmaceuticals using direct fixation of [^{11}C]carbon dioxide and [^{11}C]carbon monoxide

N. Martin, F. Guiraud-Vitaux, N. Colas-Linhart, B. Bok and **H. Nahum** 357 β-Endorphin levels after intrathecal infusion of iodinated contrast media

Ivor L. Preiss and James F. Keenan — 361 Time dependent zinc distribution in the development of the BW7756 murine hepatoma

Kiichi Ishiwata, Kazuhiko Yanai, Tatsuo Ido, Yuko Miura-Kanno and Koichiro Kawashima — 365 Synthesis and biodistribution of [^{11}C]fludiazepam for imaging benzodiazepine receptors

J. Vácha, J. Mikeska, V. Znojil, M. Pospíšil, Jiřina Holá, A. Kozubík and B. Hošek — 373 The fall in the incorporation of labelled iron into the bone marrow during enhanced erythropoiesis: this paradox explained by changes in ferrokinetics and cytokinetics using the model of mice affected by thyroid hormones

S. L. Brown, J. W. Hunt and R. P. Hill — 381 A comparison of the rate of clearance of xenon (^{133}Xe) and pertechnetate ion ($^{99m}TcO_4^-$) in murine tumors and normal leg muscles

James R. Ballinger, Judith Pygas, Bonny Gerson and Karen Y. Guienchyn — 391 Stabilization of stannous pyrophosphate kits with gentisic acid

P. Wedeking and M. Tweedle — 395 Comparison of the biodistribution of ^{153}Gd-labeled $Gd(DTPA)^{2-}$, $Gd(DOTA)^-$, and $Gd(acetate)_n$ in mice

Kathryn E. Carlson, Stephanie J. Brandes, Martin G. Pomper and John A. Katzenellenbogen — 403 Uptake of three [^{3}H]progestins by target tissues *in vivo*: implications for the design of diagnostic imaging agents

Mridula Misra, Himadri S. Sarkar, Mita Chatterjee and Somenath Banerjee — 409 Preparation and evaluation of technetium-99m labeled cardiac glycoside derivatives as potential myocardial imaging agent

Bijay Mukherji, Oskar Arnbjarnarson, Larry A. Spitznagle, Robert I. Kalish, James Hoffman, M. T. Ergin and Richard P. Spencer — 419 Imaging pattern of previously *in vitro* sensitized and Interleukin-2 expanded autologous lymphocytes in human cancer

Shiv M. Gupta, Yogesh Patel, Fazle Hosain, Thomas Davies, Mingzer Tung, Thomas Halpin, Richard P. Spencer and Nilo E. Herrera — 429 Nuclear medicine studies of aging—III. Radial bone mineral content by single and dual photon absorptiometry

M. R. Zalutsky, R. C. Knapp and R. C. Bast Jr — 431 Influence of circulating antigen on blood pool activity of a radioiodinated monoclonal antibody

F. H. Valone, R. B. Stricker, P. O. Zamora, V. O. Shah and P. L. Mann — 439 Technetium-99m labeled 50H.19 antibody fragments: interaction of the antibody with platelets

John Baldas and John Bonnyman — 451 ^{99m}Tc-nitrido radiopharmaceuticals based on nitrogen heterocyclic ligands containing a thiol group

M. T. El-Kolaly and N. Z. Misak — 459 A ^{99m}Tc generator based on the adsorption of [^{99}Mo]molybdophosphate on hydrous manganese dioxide

B. Maziere, C. Crouzel, M. Venet, O. Stulzaft, G. Sanz, M. Ottaviani, C. Sejourne, O. Pascal and J. C. Bisserbe — 463 Synthesis, affinity and specificity of ^{18}F–setoperone, a potential ligand for *in-vivo* imaging of cortical serotonin receptors

R. Chisin, D. Gazit, M. Ulmansky, A. Laron, H. Atlan and J. Sela — 469 ^{99m}Tc–MDP uptake and histological changes during rat bone marrow regeneration

Book Review — 477

Announcements — 478

Number 5

J. Kroesbergen, A. M. P. Roozen, M. R. Wortelboer, W. J. Gelsema and C. L. de Ligny — 479 ^{99m}Tc bone scanning agents—VI. Gel chromatographic analysis of the plasma protein binding of ^{99m}Tc(Sn)pyrophosphate, ^{99m}Tc(Sn)MDP and ^{99m}Tc(Sn)HMDP

A. A. Keeling and A. T. M. Vaughan — 489 Factors influencing the adsorption of lutetium-177 on hydroxyapatite

Tian-ze Zhou, Walter W. Hirth, William R. Heineman and Edward Deutsch — 493 Quantitative HPLC determination of [^{99m}Tc]pertechnetate in radiopharmaceuticals and biological samples—I. Technique development

T. J. Tewson, M. S. Berridge, L. Bolomey and K. L. Gould — 499 Routine production of reactive fluorine-18 fluoride salts from an oxygen-18 water target

Z. M. Wong, F. W. Teare, B. M. Bowen, S-K. Liao, C. S. Kwok and I. Boxen — 505 Comparison of the Iodogen and the microelectrochemical techniques for the radioiodination of monoclonal antibody 140.240

Sushital Chowdhury, Manuel L. Brown, Mrinal K. Dewanjee, Lee A. Forstrom and Jerry A. Katzmann — 511 Labeled polymorphonuclear leukocytes: a comparison of methodology

M. L. Thakur, D. B. Leeper, R. Rowley and C. H. Park — 517 Radioiodinated rhodamine-123: preparation and preliminary evaluation as an agent for tumor scintigraphy

N. D. Karatzas, K. I. Kallaras and A. V. Heal — 525 Red blood cell volume (RBCV) and blood volume (BV) in male albino (NZW) rabbits with ^{99m}Tc

Arlene P. Grimmond, Fazle Hosain and Richard P. Spencer — 529 Nuclear medicine studies of aging—IV. Femoral proximal to distal radionuclide uptake gradient

Theodore R. Simon and Richard P. Spencer — 531 Nuclear medicine studies of aging—V. Uptake of ^{67}Ga and ^{111}In in the femoral vessels

M. Chattopadhyay, K. N. Jalan, A. K. Pal and S. N. Banerjee — 535 ^{99m}Tc–cystine: a faster excreting ^{99m}Tc–glucoheptanoate analogue

Nada Maric, S. Ming Chan, Paul B. Hoffer and Paul Duray — 543 Radiolabeled porphyrin vs gallium-67 citrate for the detection of human melanoma in athymic mice

Alessandro Brocchi and Mariasilvia Tommasi — 553 Development of a solid phase RIA for human plasma somatostatin

Seham A. Ali, Janet F. Eary, Stephen D. Warren, Christopher C. Badger and Kenneth A. Krohn — 557 Synthesis and radioiodination of tyramine cellobiose for labeling monoclonal antibodies

Linda C. Knight, Alan H. Maurer, Ibrahim A. Ammar, Jeffry A. Siegel, Robert S. Fisher and Leon S. Malmud — 563 Use of ^{111}In-labeled alginate to study the pH dependence of alginic acid anti-esophageal reflux barrier

D. N. Pahuja and O. P. D. Noronha — 573 Radiopharmacological profiles of tracers under pathophysiological conditions. ^{99m}Tc–methylene diphosphonate uptake by bone in altered thyroid status

Roland d'Argy, Robert Paul, Lars Frankenberg, Carl-Göran Stålnacke, Hans Lundqvist, Lauri Kangas, Christer Halldin, Kjell Någren, Dirk Roeda, Merja Haaparanta, Olof Solin and Bengt Långström — 577 Comparative double-tracer whole-body autoradiography: uptake of ^{11}C-, ^{18}F- and ^{3}H-labeled compounds in rat tumors

Technical Notes

B. Raghunath, S. Somasundaram and P. S. Soni — 587 Density and radioactivity distribution of respirable range human serum albumin aerosol

L. J. Joseph, K. B. Desai, M. N. Mehta and R. Mathiyarasu — 589 Measurement of specific activity of radiolabelled antigens by a simple radioimmunoassay technique

R. J. E. Grouls, E. W. Ackerman and G. op de Weegh — 591 ^{99m}Tc(Sn)–sucralfate; development of an instant labelling kit

New Patents — i New patents and published patent applications for the United States and over 30 other countries

Number 6

Oladipo A. Oredipe, Rolf F. Barth, Steven E. Tuttle, Dianne M. Adams, Iveta Sautins, Donna M. Bucci, Cathy M. Mojzisik, George H. Hinkle, Scott Jewell, Zenon Steplewski, Marlin O. Thurston and Edward W. Martin Jr — 595 Limits of sensitivity for the radioimmunodetection of colon cancer by means of a hand held gamma probe

Kazuhiko Yanai, Robert F. Dannals, Alan A. Wilson, Hayden T. Ravert, Ursula Scheffel, Shuji Tanada and Henry N. Wagner Jr — 605 (*N*-methyl-[^{11}C])pyrilamine, a radiotracer for histamine H-1 receptors: radiochemical synthesis and biodistribution study in mice

Richard L. Wahl, Cynthia R. Piko, Barbara A. Beers, Onelio Geatti, Jon Johnson and Phil Sherman — 611 Systemic perfusion: a method for enhancing relative tumor uptake of radiolabeled monoclonal antibodies

L. Kuhlmann and A. Steinsträsser — 617 Effect of DTPA to antibody ratio on chemical, immunological and biological properties of the ^{111}In-labelled F(ab′)$_2$ fragment of the monoclonal antibody 431/31

Shiv M. Gupta, Mingzer Tung, Richard P. Spencer, Susan Maturlo, Thomas Davies and Nilo E. Herrera — 629 Nuclear medicine studies of aging—VI. Dual photon absorptiometry and bone scans in "at risk" women with back pain

David E. Mellenberg, Roy S. Tilbury and Kenneth R. Hogstrom — 631 Radionuclide production and partial radiochemical characterization following fast neutron irradiation of mouse spleens

Kenji Hashimoto, Osamu Inoue, Tsuyoshi Goromaru and Toshiro Yamasaki — 637 Changes in *in vivo* binding of ^{3}IIH–Ro 15-1788 in mouse brain by reserpine

Norio Sakuragawa, Akira Matsui, Tetsuo Matsuzaka, Yoshiyasu Kono, Tatsuo Ido, Kiichi Ishiwata and Koichiro Kawashima — 645 Enhanced glucose metabolism and impaired placental function in hypoxic pregnant rats

F. C. Hunt — 651 Chelator-induced enhancement of ^{67}Ga tumour imaging: comparison of desferrioxamine with *N,N′*-ethylene-bis[2-hydroxy-5-carboxyphenylglycine]

F. C. Hunt — 659 Potential radiopharmaceuticals for the diagnosis of biliary atresia and neonatal hepatitis: EHPG and HBED chelates of ^{67}Ga and ^{111}In

Arturo Brunetti, Ronald G. Blasberg, Ronald D. Finn and Steven M. Larson — 665 Gallium–transferrin as a macromolecular tracer of vascular permeability

Carol S. Marcus, John H. Kuperus, John A. Butler, Philip L. henneman, Robert D. Salk, Bi-Ying Chen, Michael R. P. Vivian and Laurie M. Yamanaka — 673 Phagocytic labeling of leukocytes with ^{99m}Tc–albumin colloid for nuclear imaging

Theodore R. Simon, Sharon Matthiesen, Rocky Rogers, Steven Kirby, Jeffrey G. Triebel and J. Edward Dowdey — 683 An inexpensive approach to improving data derived from single photon emission computed tomography

Anil Babbar, Pushpa Mishra and U. P. S. Chauhan — 689 A novel method for labelling of leukocytes with technetium-99m and its comparative evaluation for abscess scintigraphy

K. R. Ambrose, B. A. Owen, A. P. Vallahan, M. M. Goodman and F. F. Knapp Jr — 695 Effects of fasting on the myocardial subcellular distribution and lipid distribution of terminal *p*-iodophenyl-substituted fatty acids in rats

C. J. Turner, T. R. Sykes, B. M. Longenecker and A. A. Noujaim — 701 Comparative radiolabeling and distribution of a tumour-directed monoclonal antibody

Lee C. Washburn, Yu-Chen C. Lee, Tan Tan Hwa Sun, Bill Byrd, James E. Crook, Michael G. Stabin and Zenon G. Stabin and Zenon Steplewski — 707 Preclinical assessment of ^{90}Y-labeled monoclonal antibody CO17-1A, a potential agent for radioimmunotherapy of colorectal carcinoma

Marko Tarle — 713 Prolactin binding components in prostatic cancer tissue specimens obtained by TURP

Technical Notes

A. Michael Zimmer, Joanne M. Kazikiewicz, Stewart M. Spies and Steven T. Rosen — 717 Rapid miniaturized chromatography for ^{111}In labeled monoclonal antibodies: comparison to size exclusion high performance liquid chromatography

Munawwar Sajjad, Richard M. Lambrecht and Soliman A. Bakr — 721 Chromatographic evaluation of the reductant-free iodine-123

D. Guilloteau, F. Huguet, S. Chalon, J.-L. Baulieu, P. Gerard, G. Narcisse, L. Pourcelot and **J-.C. Besnard** 723 **MIBG and catecholamine storage in the brain: an *in-vitro* study**

Corrigendum 725

New Patents i **New patents and published patent applications for the United States and over 30 other countries**

AUTHOR INDEX

Abe Y., 119, 123
Ackerhalt R., 187, 195
Ackerman E. W., 591
Adams D. M., 595
Ali S. A., 557
Ambrose K. R., 695
Ammar I. A., 563
Anderson P., 293
Ando A., 133
Ando I., 133
Arnbjarnarson O., 419
d'Argy R., 577
Atlan H., 313, 469

Babbar A., 689
Badger C. C., 557
Bakr S. A., 721
Baldas J., 451
Ballinger J. R., 391
Banerjee S., 409, 535
Barth R. F., 595
Barthélemy P. P., 9
Bartlett J. M., 229
Barton P. A., 255
Bast R. C. Jr, 431
Baulieu J.-L., 723
Beentjes L. B., 171
Beers B. A., 611
Berridge M. S., 499
Besnard J.-C., 723
Betteridge D. R., 45
Billings J. J., 187, 195, 203
Bisserbe J. C., 463
Blasberg R. G., 665
Blau M., 187, 195
Bok B., 357
Bolomey L., 499
Bonnyman J., 451
Bowen B. M., 505
Boxen I., 505
Brady T. J., 45, 47
Brandau W., 99, 109
Brandes S. J., 53, 403
Brittain H. G., 17
Brocchi A., 553
Brodack J. W., 83
Brown M. L., 165, 511
Brown R. D. III, 23
Brown S. L., 381
Brunetti A., 665
Bryant R. G., 21
Bubeck B., 99, 109
Bucci D. M., 595
Budinger T. F., 141
Buijs W. C., 171
Burakoff S. J., 285
Butler J. A., 673
Byrd B., 707

Callahan A. P., 695
Cance W. G., 299, 305
Carrasquillo J. A., 231
Carlson K. E., 83, 403
Castronovo F. P. Jr, 181
Chalon S., 723
Chan S. M., 543
Chatterjee M., 409
Chattopadhyay M., 535
Chauhan U. P. S., 689
Chen Bi-Ying, 673
Chi D. Y., 83
Chiotellis E., 215
Chisin R., 313, 469
Chowdhury S., 165, 511
Colas-Linhart N., 357
Cole W. C., 177
Corrie J. E. T., 327
Corstens F. H., 171
Crook J. E., 707
Crouzel C., 463

Dalal K. B., 141
Dannals R. F., 605
Davie J. M., 299, 305
Davies T., 429, 629
Dence C. S., 83
Desai K. B., 589
Desreux J. F., 9
Deutsch E., 493
Dewanjee M. K., 165, 511
Dilley W. G., 299, 305
Dowdey J. E., 683
Dreikorn K., 99, 109
Duijsings J. H., 171
Duray P., 543

Eary J. F., 557
Ebbe S. N., 141
Eckelman W. C., 51, 343
Ehrenkaufer R. L., 345
Eisenhut M., 99, 109
El-Kolaly M. T., 459
Elmalch D. R., 333
Ergin M. T., 419

Ferrara J. M., 285
Finn R. D., 665
Fisher R. S., 563
Forstrom L. A., 511
Frankenberg L., 577
Fukuda H., 271

Gallagher P. W., 151
Gaughan G. T., 31
Gazit D., 469
Geatti O., 611
Gelsema W. J., 209, 479
Georgi P., 99, 109
Gerard P., 723
Gerson B., 391
Goedemans W. Th., 339
Goodman M. M., 695
Goromaru T., 637
Gould K. L., 499
Green M. A., 69
Greif W. L., 47
Grimmond A. P., 529
Grouls R. J. E., 591
Guilloteau D., 723
Guiraud-Vitaux F., 357
Gulenchyn K. Y., 391
Guo Y.-Z., 187, 195, 203
Gupta S. M., 429, 629

Haaparanta M., 577
Hagan J., 31
Halldin C., 577
Halpin T., 429
Hardeman M. R., 339
Harjula A., 333
Hashimoto K., 637
Hawkins R. A., 327
Hayes D. F., 235
Heal A. V., 525
Heeley J. D., 157
Heineman W. R., 493
Henneman P. L., 673
Herrera N. E., 429, 629
Hill R. P., 381
Hinkle G. H., 595
Hiraki T., 133
Hirth W. W., 493
Hisada K., 133
Hoffman J., 419
Hoffer P. B., 543
Hoffer S., 313
Hogstrom K. R., 631
Holá J., 373
Hosain F., 429, 529
Hošek B., 373
Hoshi H., 127
Huguet F., 723
Hunt F. C., 651, 659
Hunt J. W., 381

Ido T., 119, 123, 271, 365, 645
Imahori Y., 271
Inoue O., 637
Ishiwata K., 119, 123, 271, 365, 645
Iwata R., 123

Jalan K. N., 535
Jeffcoat M. K., 157
Jewell S., 595
Jhingran S. G., 177
Jinnouchi S., 127
Johnson J., 611
Jones A. G., 157
Joseph L. J., 589

Kairento A.-L., 333
Kalish R. I., 419
Kallaras K. I., 525
Kangas L., 577
Karatzas N. D., 525
Kassis A. I., 285
Katzenellenbogen J. A., 53, 83, 403
Katzmann J. A., 511
Kawashima K., 365, 645
Kazikiewicz J. M., 717
Keeling A. A., 479
Keenan J. F., 361
Kilbourn M. R., 83
Kinoshita K., 127
Kinsey B. M., 285
Kirby S., 683
Knapp F. F. Jr, 695

Knapp R. C., 431
Knight L. C., 563
Koenig S. H., 23
Kono Y., 645
Kozubik A., 373
Kroesbergen J., 209, 479
Krohn K. A., 557
Kufe D. W., 235
Kuhlmann L., 617
Kung H. F., 187, 195, 203
Kuperus J. H., 673
Kwok C. S., 505

Lambrecht R. M., 721
Långström B., 577
Laron A., 469
Larson S. M., 231, 665
Lauffer R. B., 45, 47
Layne W. W., 285
Leblanc A. D., 177
Lee D. W., 31
Lee Yu-Chen C., 707
Leeper D. B., 517
Liao S-K., 505
Liebert M., 243
Ligny C. L. de, 209, 479
Lindroth L., 333
Livni E., 333
Longenecker B. M., 701
Lundqvist H., 577

Mach R. H., 195, 203
Macklis R. M., 285
Maddalena D. J., 319
Maina Th., 215
Malagelada J., 165
Malmud L. S., 563
Mann P. L., 439
Marcus C. S., 673
Maric N., 543
Markitziu A., 313
Martell A. E., 69
Martin E. W. Jr, 595
Martin N., 357
Mathias C. J., 69, 83
Mathiyarasu R., 589
Matsui A., 645
Matsuzaka T., 645
Matsuzawa T., 119, 123, 271
Matthiesen S., 683
Mattila S., 333
Maturlo S., 629
Maurer A. H., 563
Maziere B., 463
Mehta M. N., 589
Mellenberg D. E., 631
Merrick M. V., 327
Mikeska J., 373
Millar A. M., 327
Misak N. Z., 459
Mishra P., 689
Misra M., 409
Miura-Kanno Y., 365
Mock B. H., 229
Moerlein S. M., 141
Mojzisik C. M., 595
Mukherji B., 419

Någren K., 577
Nahum H., 357
Narcisse C., 723
Newell K. D., 261
Nicolay O. F., 157
Noronha O. P. D., 573
Noska M. A., 151, 235
Noujaim A. A., 701

Oredipe O. A., 595
Oster Z. H., 261
Otsuka F. L., 299, 305
Ottaviani M., 463
Owen B. A., 695

Padmanabhan S., 45
Pahuja D. N., 573
Pal A. K., 535
Pant K. D., 261
Park C. H., 517
Pascal O., 463
Patel Y., 429
Paul R., 577
Perlmutter J. S., 83
Petry N. A., 243
Piko C. R., 611
Pomper M. G., 403
Porkka L., 333
Pospíšil M., 373
Pourcelot L., 723
Preiss I. L., 361
Pygas J., 391

Raghunath B., 587
Raichle M. E., 83
Ram S., 345
Ravert H. T., 605
Reinbold F., 99, 109
Robinson G. A., 277
Roeda D., 577
Rogers R., 683
Roozen A. M. P., 209, 479
Rosen S. T., 717
Rosenberg R. J., 251
Rowley R., 517
Runge V. M., 37

Saini S., 47
Sajjad M., 721
Sakuragawa N., 645
Salk R. D., 673
Sanz G., 463
Sarkar H. S., 409
Sass K. S., 261
Sautins I., 595
Sejourne C., 463
Sela J., 469
Scheffel U., 605
Scott R. W., 299, 305
Shao He-Sheng, 261
Shah V. O., 261, 439
Shani J., 313
Sherman P., 611
Shortkroff S., 151
Sibley P., 31
Sickle D. C. van, 229
Siegel J. A., 563
Simon T. R., 531, 683
Sledge C. B., 151
Snowdon G. M., 319
Solin O., 577
Som P., 261
Somasundaram S., 587
Soni P. S., 587
Sovak M., 3
Spencer R. P., 251, 255, 419, 429, 529, 531, 629
Spies S. M., 717
Spiller M., 23
Spitznagle L. A., 419
Stabin M. G., 707
Stålnacke C.-G., 577
Stark D. D., 47
Stassinopoulou C. I., 215
Steinbächer M., 99, 109
Steinsträsser A., 617
Steplewski Z., 595, 707
Strauss H. W., 181
Stricker R. B., 439
Stulzaft O., 463
Sun Tan Tan Hwa, 707
Sun Y., 69
Sykes T. R., 701
Sziklas J. J., 251

Tada M., 271
Tahara Y., 127
Tanada S., 605
Tarle M., 225, 713
Teare F. W., 505
Ter-Pogossian M. M., 83
Tewson T. J., 499
Thakur M. L., 517
Thomas J. A., 69
Thomforde G., 165
Thurston M. O., 595
Tilbury R. S., 631
Tommasi M., 553
Triebel J. G., 683
Tung M., 429, 629
Turner C. J., 701
Tuttle S. E., 595
Tweedle M. F., 31, 395

Ueda T., 127
Ulmansky M., 469

Vácha J., 373
Valone F. H., 439
Varley N. R., 293
Varvarigou A. D., 215
Vaughan A T. M., 293, 489
Venet M., 463
Vincent A. C., 47
Vivian M. R. P., 673

Wade K. R., 69
Wagner H. N. Jr, 605
Wahl R. L., 243, 611
Warren S. D., 557
Washburn L. C., 707
Watanabe K., 127
Wedeen V. J., 47
Wedeking P. W., 31, 395
Weegh G. op de, 591
Welch M. J., 69, 83, 299, 305
Wells S. A. Jr, 299, 305
Wilson A. A., 605
Wilson B. S., 243
Wilson J. G., 319
Wilson L. J., 31
Wolf G. L., 1, 23
Wong Z. M., 505
Wortelboer M. R., 479

Xu X., 195

Yamaguchi K., 271